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Figure 1A

Pft1 genomic sequence with upstream and downstream sequences
(numbering according to BAC F2J7)

```

26041 acaacgatcg ggatcagcaa aatctatagc tttgtagccg tcttctatga ctcatctctt
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26281 tcaagtctgg actaactaca actatgtata caaaatgttt atccacatag cccaaaaataa
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26461 atcccacaga tggtaaaaca tctaattcac ttcttcacca aaaaaataa
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26701 aagaaaattac cgtcggcgaa tcgttaggct cgagaagaat caccaaattc caaggggaga
26761 gagactgaat tttcttttga ttcacgtaac aacaacgctc agagactATG tgcgtcggagg
26821 tgaacagct gatcgtcgtt gctgaaggca ccgcccgttt gggctccttat tggcaaacca
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26941 ttaaatctc gttatattgat ttcatctcgg agttagggtt tagctgatac cgttcgaatc
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27061 tgttgttcgt tgtagtact gtgtttatgt atttgattgt tctgtgtttc atattgagca
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27661 gagctatcac tgggtgatctt caattctcat ggttcattat gtggtacgtg ttgtgcttca
27721 tcttgtgata tccaaataca aatattatct ggggtgcttct tcatggcctt ggttacatta
27781 gcttttggtt tagtaatggt gttcttatct ttcatcttct ttagcttgct tggtagaacg
27841 gagtggctgg acaagggatg ttgatatttt cttgcattgg ctttcttcca tacaatttgg
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28561 tctatcaaaa gtctttcttt tgtcagacag ctctttcaaa ggctgtcttt attctcaatg
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28921 atcttgattt ttctttgtgc ttctttggat tctatcctgc ttctctatat gaagatctct
28981 ttttgtatga ttttcagcca atggacctat tcagaatcgg caaccagttt ctgttggacc
29041 agttccaact gctactgtga aagttgtaag tctatttgat ctttttagtc agttggaggga

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Figure 1B

29101 gtcagctcta tctattggca accgactctt gtatgtttta taagaattat ttactagata
 29161 ttagccgaaa atgaattgta aattttattct ctggtgcttg ataagacatt acaaattttt
 29221 atgtgttaat caactagatt taatgttaag ttcatatgaa tatcccattt gtgaaataat
 29281 attgtatact caatcagctt attagatagc atatcttcac attagtagaa gcctgttaat
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 29401 agttttcccc atatcccgcc tgtagctcgg cctgctacac aagcaattcc ttcgattcaa
 29461 acatcttcag catcaccagt ttctcaggat atggtcagca acgccgagaa tgccaccagat
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 31921 tttcttcttt ggtcaactcg atcgctcgcca tggtttttaga ctctgtttag ttgtcctttc
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exons= (underlined)

intron donor and acceptor sites = (bold; italic)

transcription initiation = (caps; italic)

start and stop codons =(caps; bold)

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Figure 2

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cDNA sequence of PFT1

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Figure 3

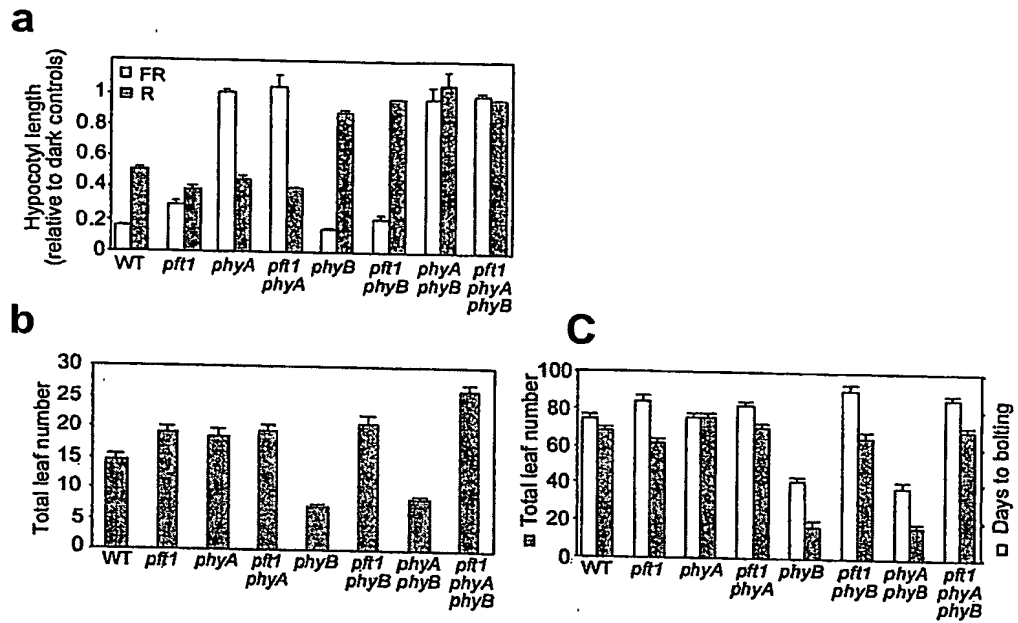
Protein sequence

M S S E V K Q L I V V A E G T A A L G P Y W Q T I V S D Y L E K I I R S F C G S E
L N G E R N P V S T V E L S L V I F N S H G S Y C A C L V Q R S G W T R D V D I F
L H W L S S I Q F G G G F N E V A T A E G L A E A L M M F S P P S G Q A Q P S N
D L K R H C I L I T A S N P H I L P T P V Y R P R L Q N V E R N E N G D A Q A E S
R L S D A E T V A S Y F A K C S V S L S V V C P K Q L P T I R A L Y N A G K P N Q
Q S A D L S I D T A K N T F Y L V L I S E N F V E A C A A L S H S A T N L P Q T Q
S P V K V D R A T V A P S I P V T G Q P P A P V S S A N G P I Q N R Q P V S V G P
V P T A T V K V E P S T V T S M A P V P S F P H I P A V A R P A T Q A I P S I Q T
S S A S P V S Q D M V S N A E N A P D I K P V V V S G M T P P L R T G P P G G A N
V N L L N N L S Q V R Q V M S S A A L A G A A S S V G Q S A V A M H M S N M I S T
G M A T S L P P S Q T V F S T G Q Q G I T S M A G S G A L M G S A Q T G Q S P G P
N N A F S P Q T T S N V A S N L G V S Q P M Q G M N Q G S H S G A M M Q G G I S M
N Q N M M S G L G Q G N V S S G T G G M M P T P G V G Q Q A Q S G I Q Q L G G S N
S S A P N M Q L S Q P S S G A M Q T S Q S K Y V K V W E G N L S G Q R Q G Q P V L
I T R L E G Y R S A S A S D S L A A N W P P T M Q I V R L I S Q D H M N N K Q Y V
G K A D F L V F R A M S Q H G F L G Q L Q D K K L C A V I Q L P S Q T L L L S V S
D K A C R L I G M L F P G D M V V F K P Q I P N Q Q Q Q Q Q Q Q Q Q Q Q Q Q
Q I Q Q Q Q Q Q Q Q Q Q H L Q Q Q Q M P Q L Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q
H H Q
S P L N Q M Q Q Q T S P L N Q M Q
G G G G G Q P N M P G A G F M G

Predicted Protein sequence of PFT1

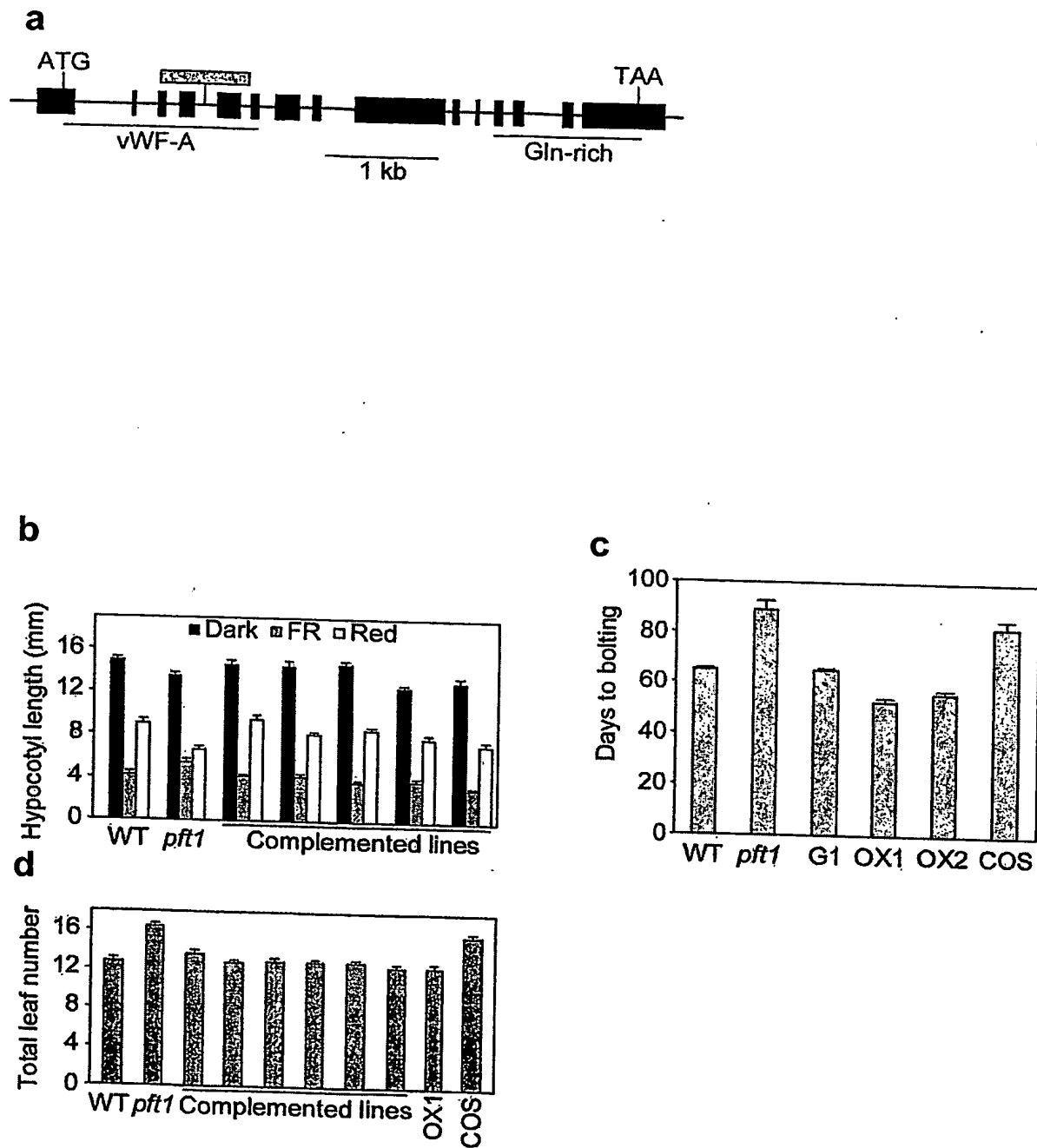
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Figure 4



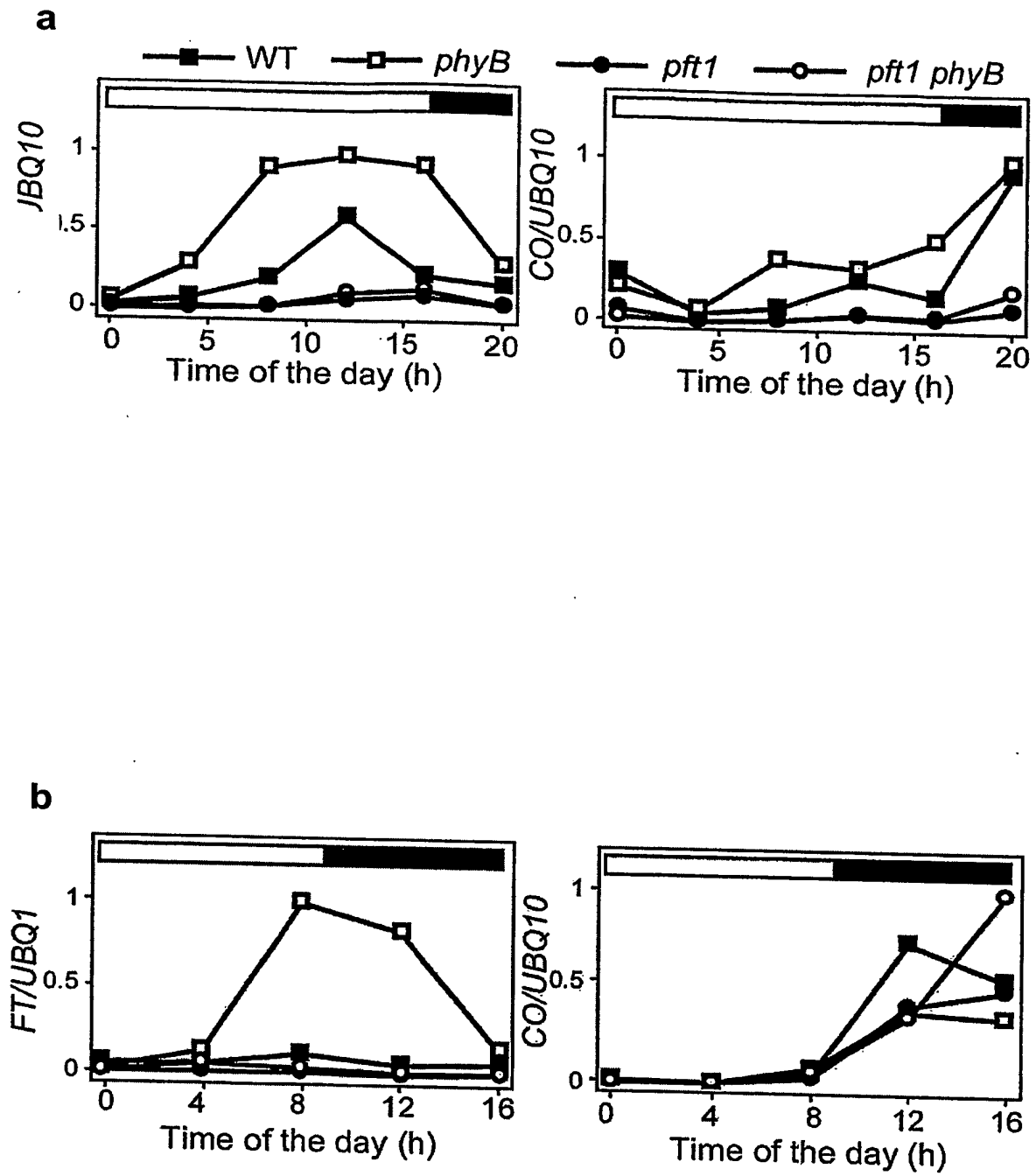
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Figure 5



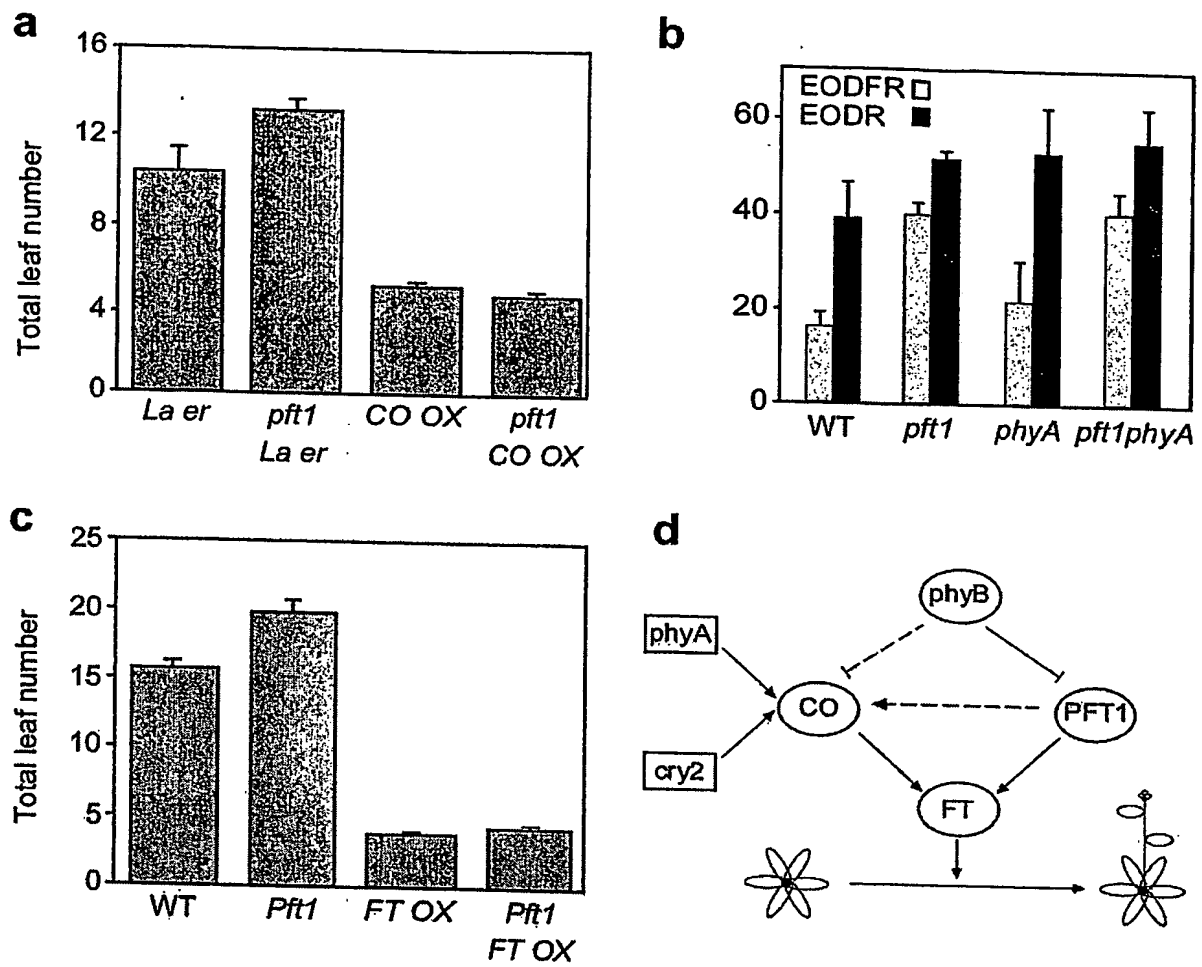
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Figure 6



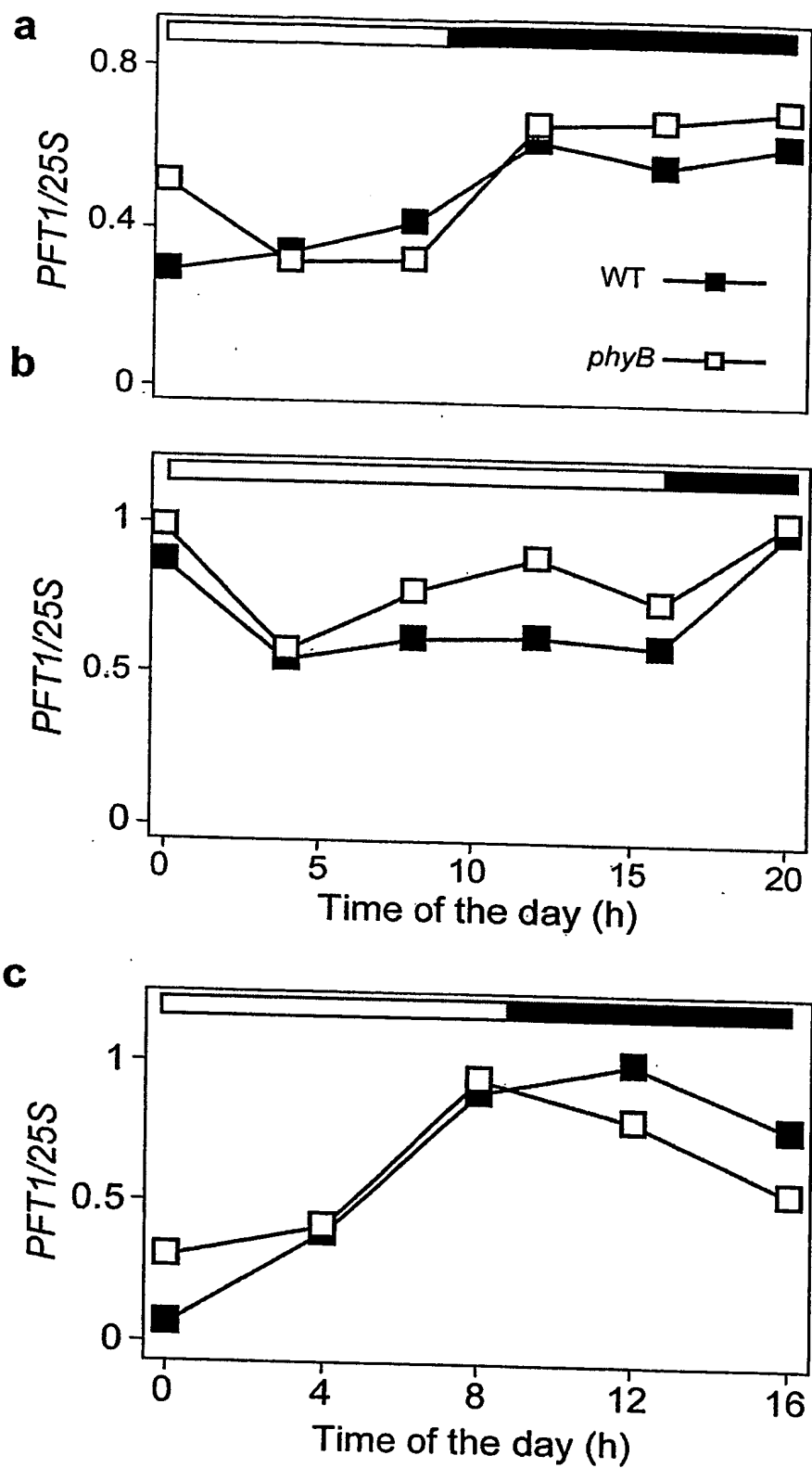
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Figure 7



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Figure 8



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Figure 9A

Part 1.

Alignment Table

SeqA Name	Len(aa)	SeqB Name	Len(aa)	Score
1 SoPFT1	724	2 OsPFT1	832	64
1 SoPFT1	724	3 SbPFT1	582	70
1 SoPFT1	724	4 MtPFT1	741	40
1 SoPFT1	724	5 AtPFT1	836	49
2 OsPFT1	832	3 SbPFT1	582	51
2 OsPFT1	832	4 MtPFT1	741	42
2 OsPFT1	832	5 AtPFT1	836	45
3 SbPFT1	582	4 MtPFT1	741	34
3 SbPFT1	582	5 AtPFT1	836	39
4 MtPFT1	741	5 AtPFT1	836	52

Part 2.

Alignment

SoPFT1	MAAADRQLVVAVEGTAALGPYWSTIVA EYVEKIVRS--FCASELPGQKLAGAPPELALVV	58
SbPFT1	-----TRYWSTIVA EYVEKIVRS--FCASELPGQKLAGPPPELALVV	40
OsPFT1	-----WRRRRPRGSWWPWRGRRRWGRTGSPSPWRTTSRRSCEKLAGTPPELALVV	50
MtPFT1	--MAEKQLIVAVETTAAMGPYWDTLMDYLEKIVRC--LGGNESTGQKPSGSNVEFSLVT	56
AtPFT1	MSSEVKQLIVVAEGTAALGPYWQTIVSDYLEKIIRS--FCGSELNGERNPVSTVELSLVI	58
	: . . . : *	
SoPFT1	FHTHGPYSAFDVQVRSGWTKD TDAFLSWLSGISFSGGGFSEASTCEGLAEALKILQGS PNT	118
SbPFT1	FHTHGPYSAFDVQVRSGWTKD TDAFLSWLSGISFSGGGFSEASTCEGLAEALKILQGS PNA	100
OsPFT1	FHTHGPYSAFCVQVRSGWTKDMNVFLSWLSGISFSGGGFSEAAISEGLAEALMILQGS SSN	110
MtPFT1	YNTHGCSYGILVQRTGWTRDPDVF LQWLESIPFSGGGFNDAAIAEGLAEALMMFPSPSG	116
AtPFT1	FNSHGSYCACLVQVRSGWTRD VDI FLHWLSSIQFGGGGFNEVATAEGLAEALMMFSPPS--	116
	::: ** *.. ***:***: * : ** *.. * ..***:..: .***** ::	
SoPFT1	TQSHQNHEAQKHCILVAASN PYPLPTPVYCLPTQSTDHKENIETAKEPSIADAETVAKSF	178
SbPFT1	TQSHQNHEAQKHCILVAASN PYPLPTPVYCLPTQSTDHKENIETSKEPSIADAETVAKSF	160
OsPFT1	SONHQSHQKHCILVAASN PYPLPTPVYRPLVQSSDHKENNDGAKESCLADAETVAKSL	170
MtPFT1	GLNQQNVD TNMHCILVAASN PYPLQTPVYVPQLQSLEKTESIDSNQVNQLYDAEAVAKAF	176
AtPFT1	GQAQPSNDLKRHCILITASN PHILPTPVYRPLQNVERNENGDAQAESRLSDAETVAS YF	176
	: . : : ****:****: * ***** * . : . * . : : ****:***: :	
SoPFT1	AQCSVLSLVISPKQLPTLKAIYNAGKRN PRAADPSVDHAKNPHFLVLLSENFMEARTALS	238
SbPFT1	AQCSVLSLVISPKQLPTLKAIYHEAVVAVEAFRAYKEKVAN---LTGVTRKFMGN---LV	214
OsPFT1	LRCSVLSLVSPKQLPTLKAIYNAAKRN PRAADPSVDHAKNPHFLVLLSDNFLEARTALS	230
MtPFT1	XQFNISLSVVCXKQN---FSHLQCGRAKGRSADPPVD-PKTTHFLILISEGFREARSALS	232
AtPFT1	AKCSVLSLVCPKQLPTIRALYNAGKPNQQSADLSIDTAKNTFYLVLISENFVEACAALS	236
	: .:****:.. ** .: : : . : : : . * : : * : : *	

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Figure 9B

SoPFT1	RPLHGNLAPNQTITKMDTAPAV---TMPGPTSNANPSGRQPVVGGIS-----TATVKVE	289
SbPFT1	KAFKTNLP-EVVVTAAAFDFDH---IVNGPTMGSQTAG---VGGIIS-----TATVTLE	261
OsPFT1	RPLPGNLVTNHPITKMDTAATS---VPVPTSGNPNPSVNGPMLTRQPNGV---VANIKTE	283
MtPFT1	RPGTNMPSNQSPVKVDAVSATP---VTGAPPSSLPSVNGSIPNRQPI PAGNVTPATVKVE	289
AtPFT1	HSATNLPQTQSPVKVDRA TVAPSIPVTGQPPAPVSSANGPIQNRQPVSVGPVPTATVKVE	296
	: . : * . . . *	
SoPFT1	PATMPPIVSAPAFSHVTPISNVASQ--GISALQTSSPSLISQEANMANDNVQEHKPIINP	347
SbPFT1	QPAMEPMVSGSAGFWHSALQ-----QPSSSSLISQEANIANDSVQEHKPIINP	309
OsPFT1	PTTLPPMVSAPAFSHVTPVANGVSQ--GLSSVQSPSPSLISQETNLANDSVQEHKPIINP	341
MtPFT1	QVPVTSQ---PAFSHNPSVPRATGTGLGVPSLQTSSPSSVSQDIMTSNENAMDTKPIVS-	345
AtPFT1	PSTVTSMAVPSFPHPHIAVARPATQ--AIPSIQTSSASPVSDQMVSNAPDIKPVVVS	354
	: : . . : . * . . * : * : . . . : * : .	
SoPFT1	-VQQPVRPGGHG---SLLNNLSQVRLMNSTSLG-----GGATSMGL-----PNIG	388
SbPFT1	-VQHPVRPGRHG---GLLSNPSQFQPIHSTFFG-----EATTSMGP-----PNIG	350
OsPFT1	-IQQSIRPGGPANV--SILNNLSQHRSVATIISGMPGIPMSGTGQSISQOVVQNTAFG	398
MtPFT1	-MLQPIRPVNPAQANVNILNNLSQARQVMALSGGTS-----MGLQSMGQ-----	388
AtPFT1	GMTPLRLTGPPGGANVNLLNNLSQVRQVMS-SAALA-----GAASSVGQ-----	397
	: . : * . . . : * . * * : : : . . . * : *	
SoPFT1	AT-PIQVHMSNMISSGMTSTPSVISSMSGPGHP-IGT---QQMIQSTALGS-----F	435
SbPFT1	AITPLQFNMSNMISSGATSTPLVTFMSAPGQP-IGN---QDMVQSTALGS-----F	398
OsPFT1	SNTPITGNSNIAVSS---SLGGIQSNIGISGPP-VTQ---GGSMGSTQLGQ-----G	443
MtPFT1	--TPVAMHMSNMISSGTTSSGPTGQNVFSSGSPSVITS--SGSLTASAQVQVQ---NSGL	439
AtPFT1	--SAVAMHMSNMISTGMTATSLPPSQTTFSTGQQGITS MAGSGALMGSAQTGQSPGPNNAF	455
	: . : : . : * : : . : * : *	
SoPFT1	GSNTSTVSGNSN-VAVSSS-----LTNNQSS	460
SbPFT1	GSNTSTAWDND-IAESSS-----QPN---S	420
OsPFT1	GINTNQNMISSLGTTTVSS-----APAMMPT	469
MtPFT1	SSLTSATSNSSXCLXFLX-----FVRGGKVR-----SKFVVLRGPAKMMQN	481
AtPFT1	SPQTTSNVASNLGVSQPMQGMNQSHSGAMMQGISMNQNMMSGLGQGNVSSGTGGMMP	515
	. * . . .	
SoPFT1	MGMGQSVQPVAAQGLVAGSQLGQGGIGANQNVMSLSTAISSAPAMMPTPGMVPQTGVN	520
SbPFT1	MAMNR-----QAGIN	430
OsPFT1	PGMAQ-----QAGVN	479
MtPFT1	-GVN-----MD	486
AtPFT1	PGVGQQA-----QSGIQ	527
	: : : : : : : : :	
SoPFT1	SLGVNNNPAMNMPIPOHANAQQ-----PAPKYVKIWEGLTSGQRQGPVFICK	568
SbPFT1	PLSS---AMNAPIGMHNAQQ-----PPPKYVKIWEGLTSGQRQGRPVFISR	474
OsPFT1	SLGVTNSSAMNMPIVQHPNAQQQQQQQQQQQQQQPPPKYVKIWEGLTSGQRQGPVFICK	539
MtPFT1	EIGG-----QSHETQNGWHR-----SSP-----IWEGLYGRKQGEPIFITK	523
AtPFT1	QLGGSNSSAPNMQLSQPSSGAMQ-----TSQSKYVKVWEGNLSGQRQGPVLITR	577
	: : : . . . : * * * * * : * * * * * :	

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Figure 9C

SoPFT1	LEGYRSGTASETLAADWPETMQIVRLIAQEHMNNKQYVGKADFLVFRTLQHGFLGQLQE	628
SbPFT1	LEGW-SGIVSKTVAADWPETMQIVRLIAQEHMNNKQYVWKGRLSNISDFKSAWFLGQLQE	533
OsPFT1	LEGYRSGTASETLAADWPETMQIVRLIAQEHMNNKQYVGKADFLVFRTLQHGFLGQLQE	599
MtPFT1	LEGYRRSSASETLAANWPPPEMHIVRIISQDHMNNKKYVGADFLVFRARNTHGFLGLLQE	583
AtPFT1	LEGYRSASASDSLAAANWPPETMQIVRLISQDHMNNKQYVGKADFLVFRAMSQLHGFLGQLQD	637
	: . . *::*** :*****:*** :. : : . *** **:	
SoPFT1	KKLCAVIQLPSQTLTLLSMSDKARRLIGMLFPADMVVSXPQVPTQQTQLQQQ-----	679
SbPFT1	RKLCAVIQLPSQTLPLSMSDKAGRMIGMLFPENMVIFKPEVVTQPSLVR-----	582
OsPFT1	KKLCAVIQLPSQTLTLLSVSDKAGRLIGMLFPGDMVVFQVPTQPPMQQQQLQQQQNQL	659
MtPFT1	KKLCAVIQLPSQTLTLLSVSDKACRLMGVLFPGDKLVSKSQLSGQQQQQQ-----MQQQMQ	639
AtPFT1	KKLCAVIQLPSQTLTLLSVSDKACRLIGMLFPGDMVVFQVPTQPPMQQQQLQQQQNQL	697
	:***** **** *:*** :*:*** : : : : * :..	
SoPFT1	LQQQQLPKQQQLQQELQQQHHMHMQHQAASNEAEMHFSKAEAQMP-----	724
SbPFT1	-----	
OsPFT1	QQQNQLHQHQLQPQNQLQQHQLQQQLQQQLQQHMQLOTQGLPLQQQSSQGHPLQQQ	719
MtPFT1	QHQQMQSQQQHLPLQLQQQMQQQQQQQLPLQLQNNQQLSQIQQQIPQLQQQQQQ-----LP	694
AtPFT1	QIQQQQQQQQLHQQQMPQLQQQQQQHQQQQQQQLSQLQHQQQQQQQQQQQQHQLT	757
	
SoPFT1	-----	
SbPFT1	-----	
OsPFT1	MQQMQQQQQQQQIQQMQQQQQQMQQMQQQQQQPQQQLQQQQQQPQMVGTGMGQQQPQMVGTGM	779
MtPFT1	QLQ-----QQQLSQLQQQQQLPLQLQQQLQHQQLP-----	723
AtPFT1	QLQHHHQQQQQASPLNQMQQQTSPLNQMQQQTSPLNQMQQQQP-----	801

SoPFT1	-----	
SbPFT1	-----	
OsPFT1	GQQQPQMVGAGMGQQYMQGHGRTVQQMMQGMKAPQGPQSGMPGAGSMPGGGYLS	832
MtPFT1	-----QQQMG-WCWNGSNLCSRS-----	741
AtPFT1	-----QQMVMGGQAFAPGRSQQGGGGQPNMPGAGFMG-----	836

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Figure 10A

Rice Pft1 genomic sequence with upstream and downstream sequences
(numbering according to BAC OSJNBa0064I23)

```

98101 ggcacccgat tcttagttac tccctccatt ccataatata agggattttg agtttttatt
98161 tgcattgttt gaccactcat cttattttaa aaaattgtgc aaatataaaa aacgaaaagt
98221 tgtgcttaaa atactttgaa taataaagta agtcacacaa aaaataaata ataattccaa
98281 atttttttaa taagacgagt ggtcaaacag tgcaaataaa aactcaaaat cccttatatt
98341 atgggacgga gggagtagct cctaaaaata cccttagttt agccgaaagg ctacactcaa
98401 aactaacctg atgtatacta agaaagtaat aaatgctcac aattcttccc aactatagag
98461 taccattatt attacattta ctaaaccacca taaaagaaca atacaactct tttttacacc
98521 aaaatttccc catattcccc tatggcccca cctgtcatcc acacaaaagc ccacctttct
98581 tcttatgggc cttggggccc atataaatta gaccccagta ccccaccctc tcgccgtcat
98641 ctctctctaa cctcacgaaa cctaacaaga agaagaagaa gagaaattcc ggcaaggaag
98701 ggagggaggg agaagtcgtt ggtgcggggg agattgattt cgcgggaggg aggggagctc
98761 gagaggcggg gattcgggga gtccggcagg tggcgccggg tgcggcgggc gcgggggcgg
98821 cgcgcggggg gATGgcggcg gcggcgcccg agaggcagct ggtggtggcc gtggagggga
98881 cggcggcgct ggggccgtac tggcccgtca ccgtggcgga ctacgtcgag aagatcgtgc
98941 ggtaatgctg cgcccgctgt ttcctcccc cgccgcgcca ccctgcttcc ttgttactag
99001 ttgactgtac ggccgctcgc gattagtgc tcttggtatt cttagtgtgg aagaattgga
99061 ccctttgttg attgttttag tgtttatttt gagacgaagg gtagcatagg aacgcgaagc
99121 ggtagctagt tagttcttga tagtggaagt tagcagctat ccgtgtatgt gtttgatata
99181 cacagttttt tagttatatt agtcggatat atcgttcact ccaagcatta gtaggagatt
99241 tggagatttg ttgtttgctc tcaccttctt aattgcaaac attaaatggt actagtttagc
99301 ttcaattctg tttcacaatg cttattcaaa gagtaagaat gcaagcgcac catcgatgtg
99361 tggaaattcg tggtttcttg atgaactggg tggttgttgg ctatatggtg ttgtggcagc
99421 agatacatct ttttttgctc ctgattcgag gagactttgt atcactgcac atgtgcagat
99481 ctatgacaga atgtagcata attcatcttc tactttgggt tttatgcctt ttctagttcc
99541 tccttgctca ttcagaagta tttttcttca gtctagcata ttttagtgtt ttttttttca
99601 tgaatgatga atgattccca tgaaaaccaa tttcagtttt tggctgggtg ttttactact
99661 cttctgtaca accagtaatg taatgatggg atgtctgttt ggttatggtt atggcctttc
99721 tgaagtcctt gttttcactc ttgttaatta gttgatgttc tgggttcgca tgggtgtaat
99781 tggaaatttc atcacatgag tcaaatttct tgtgttcaag cctttcaaat aaaaaaata
99841 atgaaagtgg gagctgtttg tattgttggt caataatcag tttgctctga attattaggg
99901 tttgtttgca gttgctatcc tcctgtgctt attattttagc ttctgtggaa acagttaaga
99961 aaaacttcgt agtctgtttg agaaatcaaa ttaatgttag acgaattctg ttagtcaatt
100021 taaactgtta tttctctgac aagtgttctg tttttagaac tgaaataata tctctatttg
100081 caacttgatt aaaagagcag cagttagcca aacatcaaaa tttctataag ctactgtacg
100141 gaacaggatt atcatagtcc acctcaacgc aaatccaaa tggagccttt tggagtctct
100201 ggtgatccac cacagcttca ctctcatata cttactatca tgaaactttt aagctcatct
100261 cttgctagaa atttttgtca atttctgtag cacttagtaa cctttgcatt tttagtacta
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100381 gtaatttgct ctacgtatct atcgtcggac ttactacttg atccatgttt ccttgacttg
100441 tgtcaaaact caaaagtgt aattattatc gtgttatgca gaagctcgca gggacacccc
100501 ctgaacttgc attagtcgtc ttccatcccc atggtcctta tagcggtaaa gtttgatata
100561 ctccatgccc taagcttttt attatgatcc attgcaatta tttgtattta gttctatata
100621 aacaaaacat gtaagctatg ataattcgct tttgattcct tgcagctttt tgtgtgcaac
100681 ggagtggatg gacaaaagat atgaatgtgt ttctttcatg gttatctgga atatcattta
100741 gtgggtggagg cttttagtgaa ctgctatttt ctgaaggctc tgctgaagca ttgatgggtat
100801 tgacatattg gcatcgttca gttcttttca ctttttgcac ataatgactt cctctgggtg
100861 ttcctgtact tttttttttt ggttcaaaat gcataaatta gaaactgtgg cttactactt
100921 ccaaaatttc agtactgcat atggttgctt acttttgagt tcccgtgcaa ggttttagca
100981 tttgttttgg cttgtgcaat catgcttcat ttggcatatg aaatgatgtt tcttttttgc
101041 caaatggcac atctttcatg ttaacatcaa cagtagcaac ctttagttcc aggcaagttg

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Figure 10B

101101	gggtaggcta	gagatgaaac	tgatgtgcag	ccacaaaaaa	actaaggga	gtatagtact
101161	agtaataaca	atatagttaa	agaagacgtg	aattagggtca	tgattctggg	catgtggacc
101221	gccaatttcc	atgcaactct	atccaaaacc	ataattcatc	tccacaggaa	cgactgggat
101281	ttttatgatg	gcttaccaat	gttatcgcaa	cattcttcc	ttactcagcg	ttaggaccag
101341	ctatgctgaa	gcaaaggcag	agtttggat	cttattaaca	gagatatttt	gatttcctag
101401	atgaaggga	atacctctt	tcatctctca	ctgcacctga	atttgggtcc	agtttgtct
101461	aaattagttg	atctacaatt	ttgtttctca	tagtaagccc	tgtaaaactat	tagttgagcc
101521	tggacattat	gtagaaccat	gatacttaac	aatacatgtt	ctacccaacc	ttttggatta
101581	ctttattttc	caagaattat	agcttggtgt	cttggtattg	ttatttccag	tattctctag
101641	aatctgtcct	ttaatgccct	tctgcacaac	atatgattca	tgtgagaaaa	ttctaagggtg
101701	gtttgcacat	ccacttatca	gctattgtct	cataaaaaat	gtcttgatct	ggatatcagc
101761	tacagatagc	cttaccttag	taaatagagt	gtataactgt	aatcaccatt	tcattagggtt
101821	aatttttgta	aggaagattt	tcattagatc	aacctatata	ggaaactgga	tgtctgggcc
101881	agtaccaga	ataagcagag	tgaaactagt	atgatcagaa	gtttaaattc	tatgaattga
101941	cctatattag	tatgttaatt	ttcctatggt	actgagtcct	caaaaatcaa	aatttcagtc
102001	ttcatcccta	ctattataaa	gagggaaatcg	tcctcctcca	cctccacata	aaagcctctt
102061	tcctccataa	aaactgtcca	ccctaaaaaa	aactgtttac	taataaagcc	aaccattgta
102121	taaaccaccga	acagctcact	gggcccacaa	cctcccacta	aacttaataa	aaaaaacatt
102181	tgcaatgcat	gacagcatga	gcctataact	agttgaaaaa	tacttgggtc	tttgaatttg
102241	atatcatttt	atttcttgag	ttctctatga	attaaagtat	ttattgcctt	tatgatttta
102301	tttctgtgtg	gcaactagat	actccaaggc	agttctagta	acagtcagaa	tcacaaagc
102361	<u>catgaagtac</u>	<u>aaaaacattg</u>	<u>catacttgtt</u>	<u>gcagcaagta</u>	<u>atccttatcc</u>	<u>actgcctacg</u>
102421	<u>cctgtctacc</u>	<u>gcccccttgt</u>	<u>tcaaaagtage</u>	<u>gatcacaagg</u>	<u>agaacaatga</u>	<u>tggagcaaaa</u>
102481	<u>gaatcttgtc</u>	<u>ttgctgatgc</u>	<u>tgagactgtt</u>	<u>gcaaaatcat</u>	<u>ttgctcaggt</u>	<u>cctacacaaa</u>
102541	tactgatatc	tagcatattg	ctgattacct	gtgtttcaat	gaagtgggtca	gcagtcattg
102601	ttggttctaa	ttaattttac	ttatattgat	gtagtgtccc	<u>gtttcattgt</u>	<u>cgggtggatac</u>
102661	<u>tcctaaacag</u>	<u>cttccaactc</u>	<u>tgaaagcaat</u>	<u>atacaatgcg</u>	<u>gtaatttcgt</u>	<u>tattttgttt</u>
102721	tgctaaattc	tgtaagccac	aagccatctt	taataatctt	ctcctggtat	tttacttggt
102781	cattgatggg	atgatagttg	catcttgatt	tacagagggt	tgaaaaactc	acttaagaat
102841	atatctttta	aaataaatta	taagcatgaa	cttgacagaa	tggccgctcc	actattacat
102901	atgttcttgt	acttgtagac	agtactaaac	ttcatatttt	cattaccatt	gaaataaaaa
102961	gagtaaattt	tatcaaacac	cacctattat	ggccaaggtt	gcacaaaacc	acagggattt
103021	tggccatga	cacataaccc	catgtattat	ggccctaagg	tttaacaaga	ccacaccgtt
103081	aaccaatttt	acatactcct	atatcaaagt	tttaaaaggt	ttagtacat	tcagtgaaca
103141	tttatatgat	ggataaaaaa	ctcataaatt	tgtgatgtga	ttttataaat	gatcaatagt
103201	gtgggttgtg	gaaactttat	agctataata	cctgggtggt	aagtgtcacg	tgccaaaacc
103261	catgtgggtt	tgtgcaactt	agaccacaac	acctaagggt	taagtgaat	ttactcaaat
103321	aaaaatgaac	tcagtttgga	ttgtactgtc	attgtatctt	atttgtggat	aagaaaaata
103381	tccattttat	tcattttttt	aattagtttag	tatcctgcct	gaacttgcta	gctagtcttt
103441	gtatggttta	cagactataa	atctatgaat	tggcatcctt	atctatcatt	agtttaatac
103501	aagcattttt	taacttacat	gatataaatt	ttatcttctg	caagaccttc	gacagtttgt
103561	actgatgaat	aatttgcacc	aggtgctgat	gttgctccatg	ttttgttgca	<u>ggcaaaagagg</u>
103621	<u>aatcctcgag</u>	<u>cggctgaccc</u>	<u>atcagtggtg</u>	<u>catgcaaaaa</u>	<u>atccacattt</u>	<u>tcttgttttg</u>
103681	<u>ttgtctgaca</u>	<u>attttttgga</u>	<u>ggctcgaact</u>	<u>gctctaagtc</u>	<u>gccctttacc</u>	<u>tggcaacttg</u>
103741	<u>gtcacaaatc</u>	<u>acccctcagg</u>	<u>ttgaacaaat</u>	<u>gctaacattt</u>	<u>ggcttagtct</u>	<u>tgccatggta</u>
103801	<u>tcaaaatggca</u>	<u>acccctcagg</u>	<u>gtgaacaaat</u>	<u>gctaacattt</u>	<u>ggcttagtct</u>	<u>tgccatggta</u>
103861	tttagccttt	agttctgttc	ctcttttgga	cgaaagggtg	tgacgttggt	acgatgtttg
103921	tgaatatgta	ggtgcttaca	catagtctag	cgtgagctcg	ctttaacaaa	tgcttgacac
103981	agctttgtta	aggaaaaaaa	tgtaggcta	aagtgaata	aaccattgcc	ataattactc
104041	catgggctga	agcaacatag	gttaacaatt	atcgttgcat	atattgggtac	gcctgactat
104101	tttaatagca	ggaaggattc	tggcaatgcc	cttatgccat	ccatttttgg	cccgaaaaaa
104161	gcataatcatt	gagttttcaa	agccttagag	gaataaaatg	tattgtgagc	tctcctctat
104221	tatgaacacg	atgtgcttgt	gcactgtgac	ttacatggga	ctacaatata	atttcctata
104281	gtttatctcc	aatttgtcaa	gtacagatgc	cttgagctgg	agatgaagaa	aaatggatgt

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Figure 10C

104341	actgaataca	caaacgtgaa	aacctgcctc	ctaaaagcctt	gtaccattgt	gttctatttg
104401	tccccctccc	atctgggtgg	tttttcaatt	gtagtgccaa	gaaaacatag	attattctat
104461	aatgattgtg	tcttcatggg	tatcattggc	atgggggtcac	aactaattgt	ttggactctg
104521	agtgataatg	ctttcaatgg	catgggtgtc	tcggattgat	gaattctata	tggataacaa
104581	gttttgtttt	tcagcatcct	aatcaaaatt	aacactgagg	atacaaatat	atcgcaattc
104641	ctgtttttat	acacagcaat	gtgggttttaa	aggatttcgt	ggatatacat	aatttgttgt
104701	ttttgtgagt	gttgatgaag	ccccctcatt	gtttgtttca	taaataaaat	tttacagttt
104761	aatgttatga	aatgccaaat	tcttattggt	tgtattgtac	attgctatgt	actaatatat
104821	gccagattgc	ccatctacct	aattaaagtg	gaacatattt	caagtctagc	caattgctgg
104881	ttttatttgc	atgatccagt	tgtgataaat	ctggaattgc	cttatataga	aatttgtttt
104941	tggcttctgg	ttatatccgt	atcattacta	tcttccatac	tgaacatgac	taactgttat
105001	aagtattttt	<u>cagttaatgg</u>	<u>acctatgctt</u>	<u>acccgccaac</u>	<u>caaatgggtgt</u>	<u>tgttgcaaat</u>
105061	<u>attaaaaagg</u>	<u>taaagctttg</u>	<u>aacaacatac</u>	<u>tctgtgactt</u>	<u>accattttgc</u>	<u>tgtatgtttt</u>
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105181	<u>cacctgcttt</u>	<u>ctcgcagtga</u>	<u>acacctgttg</u>	<u>caaattgggtg</u>	<u>ttcacaagga</u>	<u>ttatcatcag</u>
105241	<u>tacaaaagtcc</u>	<u>ctcacggtcc</u>	<u>cttattttcac</u>	<u>aggaaactaa</u>	<u>tcttgcaaat</u>	<u>gatagtgtgc</u>
105301	<u>aagaacataa</u>	<u>gccttttaata</u>	<u>aaccttatcc</u>	<u>aacagtcaat</u>	<u>tcgacctggg</u>	<u>ggccagcaa</u>
105361	<u>atgtcagcat</u>	<u>cctcaacaat</u>	<u>ctatcacagc</u>	<u>atcggtcagt</u>	<u>ggcaaccatt</u>	<u>atatcaggtg</u>
105421	<u>gaatgcctgg</u>	<u>catccctatg</u>	<u>tctggaacag</u>	<u>gacagtcaat</u>	<u>tggtagtcaa</u>	<u>caagtcgtac</u>
105481	<u>aaaacactgc</u>	<u>ttttggatca</u>	<u>aacacacca</u>	<u>taacaggcaa</u>	<u>ttcaaataat</u>	<u>gctgtgtcat</u>
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105721	<u>ctcaacaggc</u>	<u>aggtgtaaat</u>	<u>tctcttgggt</u>	<u>tgaccaacag</u>	<u>ttctgccatg</u>	<u>aacatgccta</u>
105781	<u>tagtgagca</u>	<u>tcctaattgcg</u>	<u>cagcagcagc</u>	<u>aacagcaaca</u>	<u>gcaacagcag</u>	<u>cagcagcagc</u>
105841	<u>agccaccgcc</u>	<u>gaagtacgtc</u>	<u>aaaatttggg</u>	<u>aggtaaaaaga</u>	<u>ttctgtcttt</u>	<u>gtctagcatc</u>
105901	<u>catgtagcaa</u>	<u>ttggctctac</u>	<u>cctccaaccc</u>	<u>tctagtagct</u>	<u>tagtagttgt</u>	<u>ttgtctaaata</u>
105961	<u>taaaaggaaa</u>	<u>tattccgtat</u>	<u>gacacacatg</u>	<u>taatttaatg</u>	<u>tttttcta</u>	<u>tctgacctatg</u>
106021	<u>agctgcaata</u>	<u>atatatgcac</u>	<u>cctcccaact</u>	<u>attgaaatcg</u>	<u>tttgccctcaa</u>	<u>aaataaaaaa</u>
106081	<u>ggaactat</u>	<u>aaacccttct</u>	<u>gctaatacaac</u>	<u>cagatgagat</u>	<u>agggctgtga</u>	<u>atggctagag</u>
106141	<u>ttagtctctt</u>	<u>tatttttttg</u>	<u>ccttttaaca</u>	<u>gttcccaacc</u>	<u>tgctttttcc</u>	<u>ttgagaaagc</u>
106201	<u>cttcctgaga</u>	<u>taaaaagaca</u>	<u>acaatttgaa</u>	<u>ggttgacctc</u>	<u>tgggaattca</u>	<u>gcctgggtgt</u>
106261	<u>gtcctttgtg</u>	<u>gcagtgtttt</u>	<u>tgacttcaag</u>	<u>tgctgagtea</u>	<u>tgctctatta</u>	<u>accaaagaag</u>
106321	<u>aaagtagtgg</u>	<u>acccaccatt</u>	<u>gaagatgctg</u>	<u>attatttttt</u>	<u>catccgagta</u>	<u>aagcctat</u>
106381	<u>taccatcttc</u>	<u>aactgtgtta</u>	<u>gtctagaaat</u>	<u>caacctcagc</u>	<u>agaggccccc</u>	<u>ttcgtaccat</u>
106441	<u>gaaccatgct</u>	<u>gggtgtggaa</u>	<u>gggtgtgcac</u>	<u>tattctgcaa</u>	<u>taccctatag</u>	<u>acacatgcca</u>
106501	<u>cgtgtctcta</u>	<u>ggggcaggtc</u>	<u>atttgcggca</u>	<u>tcaagggtgac</u>	<u>acataaatcg</u>	<u>ccttgatctg</u>
106561	<u>ttggcattag</u>	<u>caaagggtgt</u>	<u>gaagggtcta</u>	<u>gttagtaaga</u>	<u>aactaacatt</u>	<u>agctttta</u>
106621	<u>ctattctccc</u>	<u>ctgtccttgt</u>	<u>ggagtgtgtg</u>	<u>tgacgtgct</u>	<u>tcgatgggat</u>	<u>tgtctctccg</u>
106681	<u>tgtgcaagga</u>	<u>cacctcaatt</u>	<u>aagtgcataa</u>	<u>gaacctgtat</u>	<u>ggctgtatcc</u>	<u>ataccacatt</u>
106741	<u>catttcatgt</u>	<u>atgaagaata</u>	<u>cttccctaaa</u>	<u>agagctaaca</u>	<u>tacgagcaca</u>	<u>tgattatata</u>
106801	<u>taaattagtt</u>	<u>tgaagtcaac</u>	<u>tgcttatttt</u>	<u>tccgtgtcat</u>	<u>ttttggttgt</u>	<u>ttatatatta</u>
106861	<u>gtaatgtaaa</u>	<u>ttttatgttc</u>	<u>tatttatcgt</u>	<u>gtctcaagtt</u>	<u>gcctatgttg</u>	<u>atgatactgg</u>
106921	<u>tatcatcagt</u>	<u>caatatatga</u>	<u>tttgtttgtt</u>	<u>gtggatgcat</u>	<u>aatatgtaat</u>	<u>gtttctattt</u>
106981	<u>ttatttcagg</u>	<u>gaactttatc</u>	<u>tgggcaaagg</u>	<u>caaggacaac</u>	<u>ctgtatttat</u>	<u>ctgtaaaactt</u>
107041	<u>gaagtaagtt</u>	<u>tctgtttgtt</u>	<u>ggatgaattg</u>	<u>tctgtgactc</u>	<u>cgactattat</u>	<u>caccccccta</u>
107101	<u>actctgcccc</u>	<u>cacagatgac</u>	<u>ctttgtctat</u>	<u>tattatgccc</u>	<u>atttgaagct</u>	<u>gactgtctca</u>
107161	<u>gaaagaaaaa</u>	<u>aagatcacaa</u>	<u>gaatccctga</u>	<u>attgtatata</u>	<u>ttatttgtac</u>	<u>gatcatgatt</u>
107221	<u>gttcaaatct</u>	<u>tctgttgtca</u>	<u>ctgaaatgaa</u>	<u>attatgtatt</u>	<u>tcatagtttc</u>	<u>agtggtgacc</u>
107281	<u>tttatagctg</u>	<u>gaatatagtg</u>	<u>gctatccttt</u>	<u>tggtgtaact</u>	<u>actgtccta</u>	<u>catttttttt</u>
107341	<u>tgtttcaaca</u>	<u>catttatctg</u>	<u>cacaaagcat</u>	<u>atactttagt</u>	<u>taaatttctg</u>	<u>acttttagca</u>
107401	<u>tgtctcacag</u>	<u>ggttacagga</u>	<u>gtggaacagc</u>	<u>atctgaaacg</u>	<u>taagttttcg</u>	<u>aattgttgca</u>
107461	<u>atgttcttgc</u>	<u>attctttttt</u>	<u>ttttttttgt</u>	<u>agttctgttt</u>	<u>tgtgtctatt</u>	<u>aatggttgta</u>
107521	<u>ttcgaaccaa</u>	<u>caaatcacc</u>	<u>aatgtcggta</u>	<u>tgccctat</u>	<u>tagtattgtt</u>	<u>ttgtagaaga</u>

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Figure 10D

107581 actggagcaa tggctgattg gtagctgctt ggtattcaca agtttctgtt ccatgcaaca
 107641 actagttaag ccattgcttg tttttaaaaa ataaactgta ctgtacaaaa ggtctacggt
 107701 acaagaccaa aatggaagca actcaagtta taatgttgga agttttttaga tataatcaat
 107761 gaatgctgtg gatttgcttt atactccctc cgtctcatat tataagggat tttgggtgta
 107821 tgtgacatat cctatgtcca gggtcgtagt actaaggata tgtcacatcc acccaaaatc
 107881 ccttataata taggactgag ggagtagtac agtgccttaa tcttgtttaag tgaatggaac
 107941 ctccaaaccg atcttgcaaa attcctaata ggatattttg cctaataatag aaatgtcttg
 108001 ttcccttgca ctgaacatgt accttctata atgtcgttcc cttgcactga acatgtacct
 108061 tctttgtcca gacttgacgc agactggcct gaaacaatgc agattgtgag ccttataagct
 108121 caggagcata tgaacaataa gtttgcttca gccactccat ttccatgtta aaaaatgatcc
 108181 attctacatt ctcataatct gaatcattct ctcttttgtt tttgtttatt tgtttattct
 108241 gcagacaata tgttggaata gcagactttc tagtatttcg gacattaaat cagcacgggt
 108301 tccttgggca actgcaggaa aagaagctcg tcagtgcata atttaacctg tttaatgttt
 108361 attattatatt catgccacaa ttatttggtc ccacatctat tgcattgccac tcattatgggt
 108421 ccttcaacta gtcaaatag tccccaagct ttgttaattg gctcattgta atccctgtgc
 108481 ctatgtgtca ccgcatgttg tctcatctca ctcaagtcag cgactaggta cctagggtct
 108541 ccagccaacc tagagtatgg gacaaccgaa ttccgtttgc taaattatgt aatataattg
 108601 aagacagaag taggctgctg ttatgcttga gggcatatca gtcattttat atagtcttgg
 108661 gtggcctcag gttcccagca gatcaaggca atgtttgatg gttgaggat acatgaacta
 108721 ttaatccttc cgtttaatca atcatcactt cttaaatttc tgttaattgt tgcagtggaac
 108781 ttctgtttca gtgcgcagtg attcaactgc ctccgcaaac tttgttgttg tcagtgtcag
 108841 acaaagctgg gcgcctcatt ggcctgctgt tccctggggt acgttgattg cagtgtcggc
 108901 tatctctatc tgccttgctg tttaccattt ttccgctgta gctgaagtaa ttctttccc
 108961 cccaggatat ggtggtgttt aaaccgcagg taccaccca gcagccacca atgcagcaac
 109021 aacagttaca acagcagcag aaccaactac aacagcaga tcaagctccac cagcagcacc
 109081 agctgcaacc acagaaccag ctgcaacagc aacaccagct gcaacaacag ttacaacagc
 109141 agcaactaca acaacacatg caactgcaga cacaaggcct tccgcttcag cagcagcaat
 109201 cccaaggcca tccgcttcag cagcagcaga tgcagcaaat gcagcaacaa cagcagcagc
 109261 agcagattca gcaaatgcag cagcagcagc agatgcagca gatgcaacag cagcagcagc
 109321 agccccaaca gcttcagcag cagcagcaac cgcagatggt cggcacaggg atggggcagc
 109381 agcaaccaca gatggtcggc acggggatgg ggcagcagca accgcagatg gtcggcgagc
 109441 ggtgggggca gcaatacatg cagggggcag gtaggacggt gcagcagatg atgggggga
 109501 agatggcgcc gcagggtcca ggaagcatgc cgggtgcagg gagcatgctt ggggggtggct
 109561 acctatcttg Aagcacctga tagcctgaat gccagaagaa taagtgggca atttaaccca
 109621 gcccttttgg ctgcacaagc tatatagctc atggattact tgcccagcat cctaggtaat
 109681 tttccacct tagtgtgga tacatagtag gtgttctcag tagtttggtt ttggctgtga
 109741 tgttttacct gtagatagcg tcttgagcc tacacggcct catgttgtgt tttgtgtagc
 109801 ttcttttgat gtcactgcct tatgcttagc ttgtagctgc tggaagcaga tcaaatataa
 109861 aggattaatt aattaatagt aactctgttt aaggattgat tgaccaattt cacttgggag
 109921 cctcccaaat aatatgact gccttaggat ttttcagctt tgtaattgat gcatcaagag
 109981 tatggcagag tggcagtaac tgattaaaat tattgtcatc aaattcgaac caatttacc
 110041 taaattaaaa tgctggccta tcaagatgac gctaaacaac aaaaagggcc tgcataggaa
 110101 attcacagaa aaagatacgt tcaagatgac gctaaacaac aaaaagggcc tgcataggaa
 110161 ttaattgtc tgccacgggt gctaaacaac aaaaagggcc tgcataggaa
 110221 taaccatata attacagttt ggtcttgata ctgctctaca gttatgagta acatcaatta
 110281 caataaatag aatcgagaag agttctaaat gaaacaatga cgcggccagc cttcaatttt
 110341 cttccctcca aaacacatgt tagctttcaa ttcttcagac atcttttttt ccaaaaacaa
 110401 aacaaactat tggaatggcc agaaccagta caagtgcatt ttactctaca ggttggccaa
 110461 tgatttgtat gcgtcaattt tcttttgat ccgagcttcc gttcaggtag cttcaagaa
 110521 ttgtgttgca ggcattcatg gctcgcgcac ccagtagact gtggttccag agtttgacca
 110581 taaaaaacct ccaacacctg ttcatccagc gataaaaaagt tgcaaatgaa acaaacagct
 110641 aaagagaggt gtctgcatct gtaggcaaca agctacacac gcaaggcaag gcattgtaca
 110701 atactatatt ctataatca gccacttacc atagtagagc tggattttgt acaagttctt
 110761 gtccatgaaa ctgcgagaat gcttcgcatg cccagggaat atggccatcc gctagtacc

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Figure 10E

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110821 tgcaattttc cactttttcag taagacgggt gaaatatgca gtagataatg aataaaatga
110881 ctgcacatat gtaaaaggaa tcaagtgtcc ttgcagttct gatgtcactg cttaactctt
110941 ggtatggaaa aaagaagaaa aaaaaagtaa aaacaatcct ttgggcatat agttggtaga
111001 gatagagggtg ggattcaatg tagatgaggg gtgctagccc atgacaatgt atgggtgatt
111061 acgtacgcca caggcaacaa cagcatgggt atatatgtgc gcttaggatg cccaaatgcg
111121 actgggagta gtgttggtgg catcggcaaa ggtgcgagaa acagagggtg tgacaatcat
111181 ggcatcttag taaagggttag cagcaaggag gaagaaggca ttactagtat tagtttttcc
111241 gtcctaagaa aataacaatc agagccataa cacctggcac attacaagtt gtaattcatg
111301 gctcttaacc catgcaattc ttaaaaaaaa aaaacatgca acatcttcat ggaagaaatc
111361 cttcatgata gtttcagaca tggtagcaa atgaatataa atgtctgttc accaagctgt
111421 ataccacaat aatagataat ggatatagcg ggaaggcct gacctttgtt tccgaacaaa
111481 tgaattccac atatgcataa taagtttctc gtcttttgta acatcaacaa aatcatcaag
111541 catctgcatt tactcaggga agttaaggta tcaagaatct atcttcaaaa tcagcaatgt
111601 acagagcaag catagtaaac ttactcttct atcttcaaaa tcagcaatgt atgtatgaga
111661 ttcatcttca ctatcacgat ctgagaaaac ttgctccaat gccattgggt acaacagtgt
111721 aactatgtag tcaagctaga tttcaatttt atttgagcca gacttcaaac ggtgcaaaa
111781 aagatcatgt cttcataatt aaaaaaaa tgaacaaagg ggaagagggg ctcaagtttg
111841 gccatccaac catagattct ccacataaga ttagctagat atgcatgcgt ttccaaagtg
111901 gctgggttttg aaatctgtta ctgcaaagtt tgataatata tatatgccag tgaatgtgaa
111961 atatgccatt gtgaataaatt ttggaccaa gcaacctgtt ttcttattcc tccattatcc
112021 ttaattcatt gttttcctgt cgccatgggg gccccacaa ctaaaatttg cctcatgcac
112081 tagatccaca tgggtggctat aaccaagggt gagctaccgg catggactca tgatgagcat
112141 ccatgttact gccatatcca caggattgag cttttctaca gcataacgtt gctgggggta
112201 cttgggctaa gatgctgcca tgctacccc ttgggatagc agtggttcaa accagtgatt
112261 gctgtgtcaa cggcaacgtg tgatatctgt gttgacttga tctctaaaca tgggaagtct
112321 cgggtgaaac ctcaccaaaa tggagtgaat tgtgaatcag gtgttcagcc agacttgggg
112381 aagatgggtca tgccagccct atgccaagtg acatgactgg gagggaggga aagatcccac
112441 tgagtacaac agtggcagtt agccatggga gggtgataca agttggcaat gctatatctc
112501 aaagggaaaa catttcccag accatggatt ctttttctgg cagccaggtc cctgatgcct
112561 tagtcatcgg caagcttgat ttggcactta gtcagttctg atcctttcct acagttcatc
112621 ctttttctct atttctattt tgttgacca gtaactagtc caaaaaccct ggttattctt
112681 ggttacgtaa cttactactc cctccaattt cccaactgat catcatataa cttttttaag
112741 gttattccca aatgatcatc atattagtat tcatcacta agtctgttcg ttattctgtg
112801 catgggagta gatggacatt ggtgcatgag tccatgcata caatccttta caaccaacat
112861 gcaatgtttt gatttgtag tggctaggaa gtattgggga tagtgcagtc aagtttggtt
112921 ccgaattaaa tgtagtatga gagaattatt agctttcctt ggtcttggtc ttataatatg
112981 atgatcaatt gggaatggag gtagtagtaa gaaatcgatt agttttttag atgagaaatg
113041 cagacgagta gggaggacat tttctgatgt ttctctctg accatccaga gtgatagcag
113101 gaaacttttg attgacgtat agaaaatttc accatctata taacccttta ttaactccaa

```

exons = (underlined)

exons predicted from Maize EST and comparing to Arabidopsis sequence or deduced from the Arabidopsis sequence = (underlined, italic)

intron donor and acceptor sites = (bold; italic)

transcription initiation = (caps; italic)

start and stop codons = (caps; bold)

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Figure 11

Rice PFT1 putative protein sequence

W R R R R P R G S W W W P W R G R R R W G R T G P S P W R T T S R R S C E K L A G
T P P E L A L V V F H T H G P Y S A F C V Q R S G W T K D M N V F L S W L S G I S
F S G G G F S E A A I S E G L A E A L M I L Q G S S S N S Q N H Q S H E V Q K H C
I L V A A S N P Y P L P T P V Y R P L V Q S S D H K E N N D G A K E S C L A D A E
T V A K S L L R C S V S L S V V S P K Q L P T L K A I Y N A A K R N P R A A D P S
V D H A K N P H F L V L L S D N F L E A R T A L S R P L P G N L V T N H P I T K M
D T A A T S V P V P T S N G N P S V N G P M L T R Q P N G V V A N I K T E P T T L
P P M V S A P A F S H V T P V A N G V S Q G L S S V Q S P S P S L I S Q E T N L A
N D S V Q E H K P L I N P I Q Q S I R P G G P A N V S I L N N L S Q H R S V A T I
I S G G M P G I P M S G T G Q S I G S Q Q V V Q N T A F G S N T P I T G N S N I A
V S S S L G G I Q S N I G I S G P P V T Q G G S M G S T Q L G Q G G I N T N Q N M
I S S S L G T T T V S S A P A M M P T P G M A Q Q A G V N S L G V T N S S A M N M P
I V Q H P N A Q
P V F I C K L E G Y R S G T A S E T L A A D W P E T M Q I V R L I A Q E H M N N K
Q Y V G K A D F L V F R T L N Q H G F L G Q L Q E K K L C A V I Q L P S Q T L L L
S V S D K A G R L I G M L F P G D M V V F K P Q Q V P T Q Q Q P P M Q Q Q Q L Q Q Q Q
N Q L Q Q Q N Q L H Q Q Q H Q L Q P Q N Q L Q
L Q T Q Q L P L Q Q Q Q S Q G H P L Q
Q Q M Q Q M Q Q Q Q Q Q Q P Q
G Q Q Q P Q M V G A G M G Q Q Q Y M Q G H G R T V Q Q M M Q G K M A P Q G P G S M P
G A G S M P G G G Y L S

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